SEQUENCE LISTING

<110> UNIVERSITA' DEGLI STUDI DI TORINO
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- <120> MELUSIN, A MUSCLE SPECIFIC PROTEIN, AS A DRUG TARGET FOR PREVENTION AND TREATMENT OF HEART FAILURE
- <130> 4636-25 / BUS5222-CF
- <140> US 10/538,736
- <141> 2005-08-11
- <150> PCT/IT2002/000807
- <151> 2002-12-19
- <160> 2
- <170> MS Word
- <210> 1
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- <213> Mus musculus
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- Phe His Asp Ala Leu Lys Gly Trp Ser Cys Cys Arg Lys Arg Thr Val 35 40 45
- Asp Phe Ser Glu Phe Leu Asn Ile Lys Gly Cys Thr Val Gly Leu His 50 55 60
- Cys Ala Glu Lys Leu Pro Glu Val Pro Pro Gln Pro Glu Gly Pro Ala 65 70 75 80
- Thr Ser Ser Leu Gln Glu Gln Lys Pro Leu Asn Thr Ile Pro Lys Ser 85 90 95
- Ala Glu Thr Leu Phe Arg Glu Arg Pro Lys Ser Glu Met Pro Pro Lys
 100 105 110
- Leu Leu Pro Leu Leu Ile Ser Gln Ala Leu Gly Val Ala Leu Glu Gln 115 120 125

Lys Glu Leu Asp Gln Glu Pro Gly Ala Gly Leu Asp Asn Ser Leu Ile 130 135 140 Trp Thr Gly Ser Ser Cys Gln Asn Pro Gly Cys Asp Ala Val Tyr Gln 150 Gly Pro Glu Ser Asp Ala Thr Pro Cys Thr Tyr His Pro Gly Ala Pro 165 170 Arg Phe His Glu Gly Met Lys Ser Trp Ser Cys Cys Gly Ile Gln Thr 180 Leu Asp Phe Gly Ala Phe Leu Ala Gln Pro Gly Cys Arg Val Gly Arg His Asp Trp Ala Lys Gln Leu Pro Ala Ser Cys Arg His Asp Trp His 210 215 Gln Thr Asp Ser Val Val Val Leu Thr Val Tyr Gly Gln Ile Pro Leu Pro Ala Phe Asn Trp Val Lys Ala Ser Gln Thr Glu Leu His Val His 245 250 Ile Val Phe Asp Gly Asn Arg Val Phe Gln Ala Gln Met Lys Leu Trp 260 265 Gly Val Ile Asn Val Glu Gln Ser Ser Val Ser Leu Met Pro Ser Arg 275 280 285 Val Glu Ile Ser Leu Val Lys Ala Asp Pro Gly Ser Trp Ala Gln Leu 295 Glu His Pro Asp Ser Leu Ala Glu Lys Ala Arg Ala Gly Val Leu Leu 310 315 Glu Met Asp Glu Glu Glu Ser Glu Asp Ser Asp Asp Leu Ser Trp 325 Thr Glu Glu Glu Glu Glu Glu Glu Glu Ala Met Gly Glu 340 345 <210> 2 <211> 347 <212> PRT <213> Homo sapiens <400> 2 Met Ser Leu Cys Arg Asn Lys Gly Cys Gly Gln His Phe Asp Pro Asn Thr Asn Leu Pro Asp Ser Cys Cys His His Pro Gly Val Pro Ile Phe His Asp Ala Leu Lys Gly Trp Ser Cys Cys Arg Lys Arg Thr Val

40

45

35

Asp	Phe 50	Ser	Glu	Phe	Leu	Asn 55	Ile	Lys	Gly	Cys	Thr 60	Met	Gly	Pro	His
Cys 65	Ala	Glu	Lys	Leu	Pro 70	Glu	Ala	Pro	Gln	Pro 75	Glu	Gly	Pro	Ala	Thr 80
Ser	Ser	Ser	Leu	Gln 85	Glu	Gln	Lys	Pro	Leu 90	Asn	Val	Ile	Pro	Lys 95	Ser
Ala	Glu	Thr	Leu 100	Arg	Arg	Glu	Arg	Pro 105	Lys	Ser	Glu	Leu	Pro 110	Leu	Lys
Leu	Leu	Pro 115	Leu	Asn	Ile	Ser	Gln 120	Ala	Leu	Glu	Met	Ala 125	Leu	Glu	Gln
Lys	Glu 130	Leu	Asp	Gln	Glu	Pro 135	Gly	Ala	Gly	Leu	Asp 140	Ser	Leu	Ile	Arg
Thr 145	Gly	Ser	Ser	Cys	Gln 150	Asn	Pro	Gly	Cys	Asp 155	Ala	Val	Tyr	Gln	Gly 160
Pro	Glu	Ser	Asp	Ala 165	Thr	Pro	Cys	Thr	Tyr 170	His	Pro	Gly	Ala	Pro 175	Arg
Phe	His	Glu	Gly 180	Met	Lys	Ser	Trp	Ser 185	Cys	Cys	Gly	Ile	Gln 190	Thr	Leu
Asp	Phe	Gly 195	Ala	Phe	Leu	Ala	Gln 200	Pro	Gly	Cys	Arg	Val 205	Gly	Arg	His
Asp	Trp 210	Gly	Lys	Gln	Leu	Pro 215	Ala	Ser	Cys	Arg	His 220	Asp	Trp	His	Gln
Thr 225	Asp	Ser	Leu	Val	Val 230	Val	Thr	Val	Tyr	Gly 235	Gln	Ile	Pro	Leu	Pro 240
Ala	Phe	Asn	Trp	Val 245	Lys	Ala	Ser	Gln	Thr 250	Glu	Leu	His	Val	His 255	Ile
Val	Phe	Asp	Gly 260	Asn	Arg	Val	Phe	Gln 265	Ala	Gln	Met	Lys	Leu 270	Trp	Gly
Val	Ile	Asn 275	Val	Glu	Gln	Ser	Ser 280	Val	Phe	Leu	Met	Pro 285	Ser	Arg	Val
Glu	Ile 290	Ser	Leu	Val	Lys	Ala 295	Asp	Pro	Gly	Ser	Trp 300	Ala	Gln	Leu	Glu
His 305	Pro	Asp	Ala	Leu	Ala 310	Lys	Lys	Ala	Arg	Ala 315	Gly	Val	Val	Leu	Glu 320
Met	Asp	Glu	Glu	Glu 325	Ser	Asp	Asp	Ser	Asp 330	Asp	Asp	Leu	Ser	Trp 335	Thr
Glu	Glu	Glu	Glu 340	Glu	Glu	Glu	Ala	Met 345	Gly	Glu					